



# Department of Pesticide Regulation



Mary-Ann Warmerdam  
Director

## MEMORANDUM

Edmund G. Brown Jr.  
Governor

TO: James Goldstene  
Executive Officer  
Air Resources Board  
1001 I Street  
Sacramento, California 95814

FROM: Chris Reardon  
Chief Deputy Director  
916-445-4000

*Original signed by*

DATE: January 28, 2011

SUBJECT: PROPOSED TOXIC AIR CONTAMINANT MONITORING FOR 2011

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Pursuant to Food and Agricultural Code section 14022(c), the Department of Pesticide Regulation (DPR) requests that the Air Resources Board (ARB) monitor for the following pesticides in 2011:

- 1,3-dichloropropene
- Carbaryl
- Chloropicrin
- Chlorthal-dimethyl
- Methyl bromide
- Methyl iodide

DPR's requests that ARB continue the simultaneous ambient air monitoring for four fumigants: 1,3-dichloropropene, chloropicrin, methyl bromide, and methyl iodide. Last year, DPR requested monitoring for these fumigants for a 15-month period. Consistent with the original request, this monitoring should continue at both the Camarillo site and Santa Maria site through October 2011.

DPR also requested that ARB conduct an application-site study for chlorthal-dimethyl (dacthal, DCPA) last year. ARB staff were unable to conduct this monitoring due to travel and overtime constraints beyond their control. Therefore, DPR requests that ARB conduct this monitoring in 2011.

If possible, monitoring should include monomethyl tetrachloroterephthalate and tetrachloroterephthalic acid to provide valuable, but not essential, information on these breakdown products.

DPR requests that ARB conduct an application-site study for carbaryl. Carbaryl is a hazardous air pollutant, and was administratively listed as a toxic air contaminant. DPR's risk assessment for this pesticide is currently in progress, and air monitoring will provide data needed for a complete evaluation of the exposure. ARB previously conducted ambient air monitoring for carbaryl in 2007. Additional ambient monitoring is not needed at this time. DPR requests the following target quantitation limits:



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- 1,3-dichloropropene: 0.1 ppb for each isomer (current ARB quantitation limit)
- Carbaryl: 0.04  $\mu\text{g}/\text{m}^3$
- Chloropicrin: 0.03 ppb (current ARB quantitation limit)
- Chlorthal-dimethyl and breakdown products: 0.1  $\mu\text{g}/\text{m}^3$
- Methyl bromide: 0.03 ppb (current ARB quantitation limit)
- Methyl iodide: 0.1 ppb (current ARB quantitation limit)

Thank you for your consideration of this request. If you have any questions, please feel free to contact me, or John S. Sanders, Ph.D., of my staff, at 916-324-4155 or <[jsanders@cdpr.ca.gov](mailto:jsanders@cdpr.ca.gov)>.

cc: John S. Sanders, Ph.D., DPR Environmental Program Manager  
Joan E. Denton, Ph.D., Office of Environmental Health Hazard Assessment Director  
Kenneth Stroud, ARB Branch Chief